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6662

TECHNICAL ASSISTANCE TEAM FOR EMERGENCY RESPONSE REMOVAL AND PREVENTION EPA CONTRACT 68-01-7367

MEMORANDUM

TO:

R. Donald Rigger, OSC

EPA, Region IV

FROM:

Scott W. Dunbar

TAT, Region IV

THRU:

Conley B. Phifer CBP

TATL, Region IV

SUBJECT:

Clark Brothers Warehouse

Pesticide Removal Site

Albany, Dougherty County, Georgia

TDD #04-9006-10-3292

TAT #04-F-04200

DATE:

24 August 1990

SITUATION

This report has been prepared in accordance with the requirements of Technical Direction Document (TDD) #04-9006-10, assigned to the Roy F. Weston Incorporated Technical Assistance Team (TAT), by Region VI of the U.S. Environmental Protection Agency (EPA).

TAT was tasked by OSC Rigger to provide technical support in cost accounting, documentation, air monitoring, ERCS monitoring, and safety, at the Clark Brothers Warehouse Pesticide Removal Site, Albany, Dougherty County, Georgia. The site had been addressed previously (TDD# 04-9003-41) and a report issued on 29 March 1990, on all the actions taken until that date. The tasks undertaken previously included inspection, inventory, and sampling.

BACKGROUND

In early December 1985, ICP Chemical requested Clark Brothers Warehouse to store numerous containers of Grain Fumigant #2 (82.3% Carbon tetrachloride, 16.3% Carbon disulfide, 1.0% Sulphur dioxide, 0.4% Pentane). The shipment was received on 31 December 1985. After not receiving payment for storage, Clark Brothers attempted to contact ICP Chemical and found that they had filed for bankruptcy. A further investigation revealed that the materials had been banned from shipment on 1 January 1986. Clark Brothers attempted to have the shipper handle disposal, but was unsuccessful.

EPA was contacted by Mr. Chet Clark in April 1988. OSC Rigger and TAT conducted an investigation of the warehouse and determined that there was not an immediate threat. OSC Rigger instructed the Clarks to contact Air Pesticide and Toxic Substance Division within EPA, for assistance. ICP Chemical had a previous history of abandoning materials in a similar manner.

On 29 March 1990, EPA was informed that the Grain Fumigant #2 containers were leaking and an investigation was conducted by OSC Kopotic and TAT. The investigation confirmed that some of the containers had deteriorated and materials had been released to the environment.

SUMMARY

On 30 July 1990, OSC Rigger, TAT, and ERCS personnel mobilized to the site, to stage, bulk, and dispose of 612 one-gallon cans, 114 five gallon pails, and 62 fifty five gallon drums. ERCS made preparation for a tanker truck that was scheduled to be on site the following day. The drums were staged outside the storage building and the pails and cans were repositioned to facilitate safe handling. All product handling was conducted in Level "B" personal protective equipment (PPE).

The following day, 31 July 1990, ERCS began bulking the cans into two 85-gallon recovery drums. During the bulking process, approximately 100 cans and 2 pails were found to be empty. TAT conducted real time air monitoring with carbon tetrachloride colormetric detection tubes (CDT) and a photo ionization detector (PID). Air monitoring from the perimeter with the CDT indicated <2 ppm and the PID indicated 1 - 20 units above background at approximately 10 feet from the open containers.

High temperatures and humidity at the site created extremely hot working conditions with little breeze. Due to the heat stress factor involved in level "B" PPE operations, ERCS personnel were encouraged to take frequent breaks and drink plenty of fluids.

Early on the afternoon of 31 July, a Nortru tanker truck arrived on site and pumping operations began. Due to the low boiling point of carbon tetrachloride (the main constituent of Grain Fumigant #2) vapor locks kept forming and pumping operations were slow. Air monitoring was continuously conducted in the decon area and from the perimeter. The PID detected readings of 1-5 units above background at the perimeter, depending on wind direction and speed. When pumping operations had concluded, approximately 3700 gallons of Grain Fumigant #2 had been transferred to the tanker. The Nortru tanker departed the site for the disposal facility, Petro-Chem Processing Inc., Detroit, MI. The tanker was not loaded to its full capacity due to the weight of the product and road restrictions. Thirteen 55 gallon drums (unopened) were left at the site for future pickup.

On 1 August 1990, The OSC, TAT, and ERCS returned to the site. ERCS crushed all of the empty containers with a 580 backhoe. The crushed empty cans, pails, and drums were loaded into a Barton Environmental 20 cubic yard roll-off box and transported by Barton Environmental to BFI's landfill in Fayetteville, Georgia.

On 13 August 1990, ERCS returned to the site to load the remaining 13 fifty-five gallon drums on a Petro-Chem box truck for transportation to the Petro-Chem disposal facility in Detroit, MI.

CONCLUSION

Having properly disposed of all the Grain Fumigant #2 at the site no further federal action was warranted.

ATTACHMENTS

Figure 1-3 Maps & Sketches Attachment A - Photographs

B - Log Notes

C - Table of Witnesses

D - Site Safety Plan

E - Manifests

F - Polreps

FIGURE 1
General Site Location

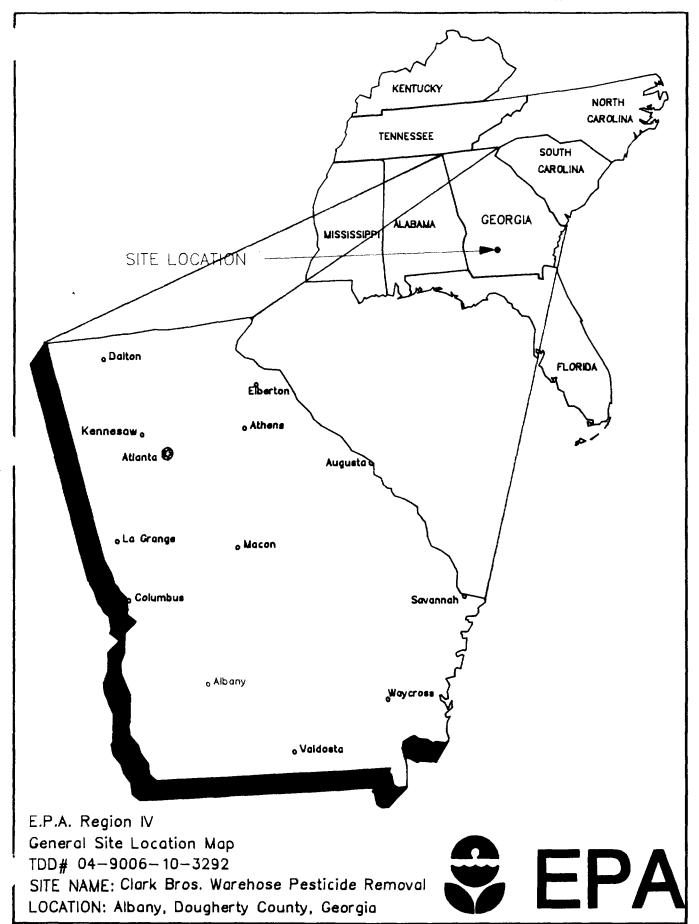
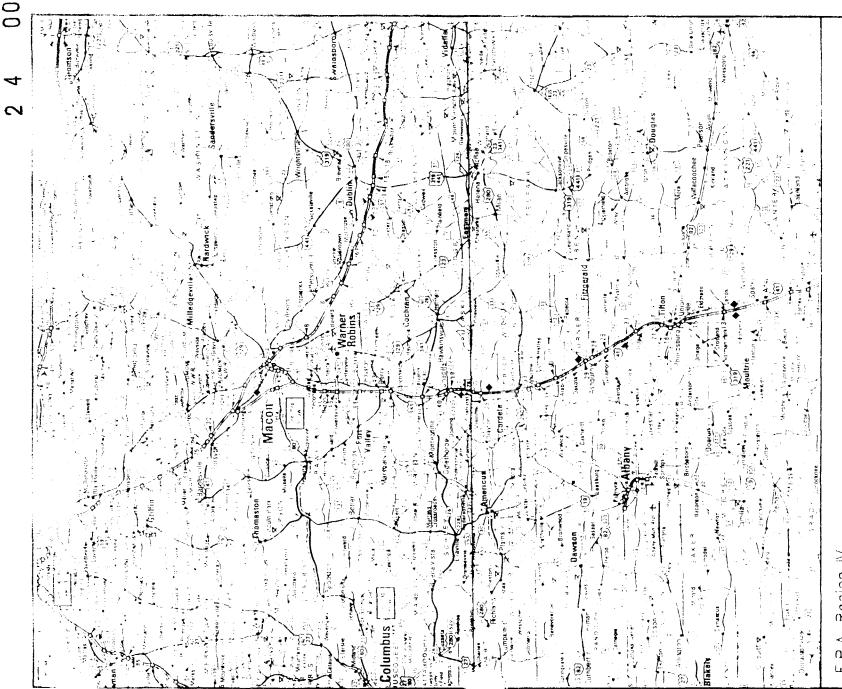


FIGURE 2

Area Location Map



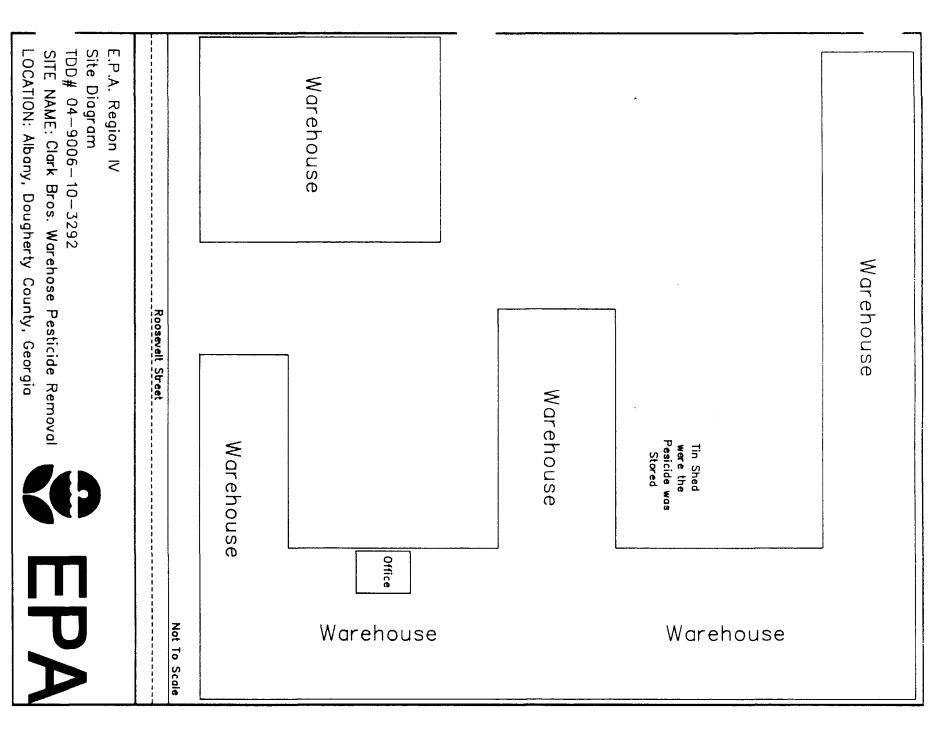
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Narenose Pesticide Removal Georgia Dougnerty County, NAME: Clark Bros. Arbany, LOCATION





FIGURE 3
Site Diagram



LOCATION: Albany, Dougherty County, Georgia

ATTACHMENT A
Photographs



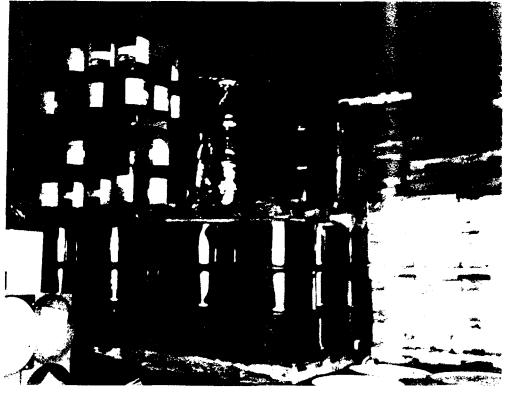


PHOTO #1 OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Deteriorated 1 gallon can of Promium Grain Fumigant Number

2.

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CO

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2

Location: Clark Bros. Warehouse

Albany, Dougherty County, GA

Stotographer: Sunderland Date: 03/29/90

"lm:35mm ASA: 100 Time: 1100

**D# 0:-900 -10-3292 Witness: S. Dunbar **Ocation of Negatives: Atlanta TAT Office

PHOTO #2 OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Numerous containers ranging from

55 gallon drums to 1 gallon

cans.

Location: Clark Bros. Warehouse

Albany, Dougherty County, GA

Photographer: Sunderland Date: 03/29/90

Film:35mm ASA: 100 Time: 1100

TDD# 04-9006-10-3292 Witness: S. Dinbar Location of Negatives: Atlanta TAT Office



2





PHOTO #3 OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

bulking I gallon cans into a 85 gallon recovery drum.

Location: Clark Bros. Warehouse

Albany, Dougherty County, GA

Photographer: S. Dunbar Date: 07/31/90

Film:35mm ASA: 100 Time: 1100

TDD# 04-9006-10-3292 Witness: D. Rigger Location of Negatives: Atlanta TAT Office

PHOTO #4 OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Empty 1 gallon cans in good to very poor condition.

Location: Clark Bros. Warehouse

Albany, Dougherty County, GA

Photographer: S. Dunbar Date: 07/31/90

Film:35mm ASA: 100 Time: 1100

TDD# 04-9006-10-3292 Witness: D. Rigger Location of Negatives: Atlanta TAT Office

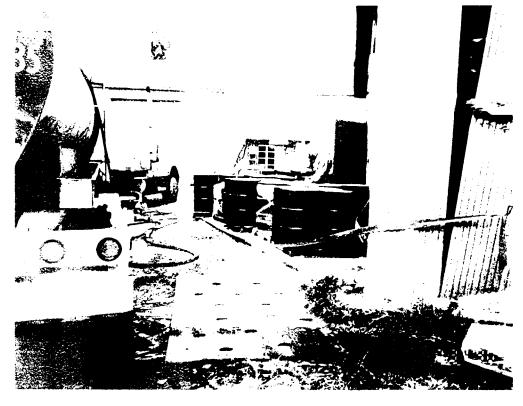




PHOTO #5 OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: ERCS personnel in "Level B" opening and checking all of the 55 gallon drums to have only Fremium Grain Fumigant No. 2 and pumping them into the tanker truck.

Location: Clark Bros. Warehouse
Albany, Dougherty County, GA
Chotographer: S. Dunbar Date:07/31/90
Film:35mm ASA: 100 Time: 1100
FDD# 04-9006-10-3292 Witness: D. Rigger
Location of Negatives: Atlanta TAT Office

PHOTO #6 OFFICIAL PHOTOGRAPH ENVIRONMENTAL PROTECTION AGENCY

Subject: Empty containers prior to crushing them for disposal.

Location: Clark Bros. Warehouse
Albany, Dougherty Count: . GA
Photographer: S. Dunbar Date: 0 /31/90

Film:35mm ASA: 100 Time: 1100

TDD# 04-9006-10-3292 Witness: D. Figger Location of Negatives: Atlanta TAT Office

ATTACHMENT E
Manifest



Please print or type

PR.

DO NOT WRITE IN THIS SPACE

REJ. [.] ATT. DIS.

1979, as amended and Aut 136, 2-4 1969

Form Approved - OMB No. 2050-0039 - Expires 9-30-91

Facure to the Sipunishable under sention 299,548 MCL in Sention 10 of Act 136, PA, 1969

Rev 9:88

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| | (o so se | 345 Courtland Str Atlanta, Georgia | | D Chair Car | | | |
| 4 | 4 Generator's Phone (404) 347-393 5 Transporter 1 Company Name | Acianca, Georgia | | | | | |
| 5 | 5 Transporter 1 Company Name | 6 US EPA ID Numb | ber | C. State Tran | | | |
| | 7 Transporter 2 Company Name | 8 US EPA ID Numb | | D. Transporte | | | |
| ' | 7 Transportal 2 Company Name | 1 1 1 1 1 1 1 1 1 | | E. State Tran F. Transporte | | | |
| 9 | 9 Designated Facility Name and Site Address | 10 US EPA ID Numb | per | G. State Fac | | | |
| | Petro-Chem Processing Inc | _ | | | , | | |
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$0104_{\text{ No.}} 325503$

NON-HAZARDOUS SPECIAL WASTE MANIFEST

| GENE | ATOR |
|--|--|
| Generator Name USEPA Regulary | Generating Location Clark 157.55. 5.4c |
| Address 345 Couldanted | Address 157 KDDSPUC/ / WC |
| Atlanta 61 30305. | Albani 61 2170Z |
| Phone No. 474-347393/ | Phone No. 7999-347393/ |
| BFI Waste Code 4/ 820 9007/3 | Containers Type D - Drum |
| Description of Waste | Quantity Units No. Type C - Carton B - Bag |
| | T - Truck P - Pounds |
| • | Y - Yards O - Other |
| hereby certify that the above named material does not contain | · · · · · · · · · · · · · · · · · · · |
| | t 261 or any applicable state law, has been properly described, |
| K Donald Rigger Gold A Wall | 11190 |
| Cientistor Authorized Agent Name / Signature | Shipment Date PORTER |
| | |
| Transporter Name Bolon Enginements | Phone No. (104.363-950) |
| Address P.C. Box 1403 Corest Pc. | Vehicle License No./State 11K 1493 |
| GA. | Vehicle Certification |
| I hereby certify that the above named material was picked up at the generator site listed above. | I hereby certify that the above named material was delivered without incident to the destination listed below. |
| Catalles 585196 | |
| Orlyer Signature Shipment Date | Driver Signature Delivery Date |
| DESTI | NATION |
| Site Name | Phone No. |
| Address | The state of the s |
| Thereby certify that the above named material has been accepted $arepsilon$ | ed to the best of my knowledge the foregoing is true and accurate. |
| The although Agent | Pagest Pate |
| 3. ulhorized Agent Signature | Receipt Date |
| | DAVID DOCKE |

ATTACHMENT B

30 July 1990

1130 TAT MEMBER SCOTT DUNDAR ARRIVED AT THE SITE AND MET MR. Due Clarke 1200 6 Har ech personnel arrived at the see Entry + Exit log for details of personnel. 1230 Hyptich craw Breaks for Lunch. 1330 Haytech crew returns from lunch and makes preparation to stage the dums 1350 OSC Rigger arrived at the sites 1450 Haytesh began staging the fifty five gallon drums and five gallon Da outside asing clark bros. fork left. TAT The Hagtech personnel dressed out in Level B" PPE. 1515 Staging was complete, Stagtech dressed down fram level B" -1545 Tat sample air in the staging area with a Carbon Tetradlinde Dreager Tube. Oppn was the response, Fat continued air survalance at the can's and destet 1 ppm, tat moved away from the drund. 1630 Hayteck even departed site for the day. Except for the PCT. He remained 1640 Tat and the Ose Departed the size for The day. 1730 HARRY HAZTECH PEST PCT SECURED for the

OSC ARRIVED at the Lite. 0529 TAT and 6 Haylesh phraammal arrusal at 31 guly 90

W. SAMPANIA

resum final pursons days arthritas. OSC higger to TAT AND Hayled pet print 1900 55 for the ere taking frequent charles. able and Normy wind. Hayted personnel 0900 Weather: Hot 95+°F, Humid with clear readings were Veries due to wind direction on with shilly above the opening an morellen The Hoor de Lote redungs from 1-20 units ordands were, cope 0'6 led: and 30,5% oz in and around the stage dum. Makings 7-15 units. The outside work and was The drume were asquiferently lower a weed to bulk The come, hered at 10 best wints above the drum that were being The HAU detected cleveted reading to 350 selection wove; Cgi O's led and Do. 0 % B2 in both work area, made worth once air montoung week the day and House the 65 gollon druma tot conducted drum | and the opening and occount the one golden come, in an overfeld PPE. Haylach began opening and Blilling 0830 Haylech and Tat dress out in level 1811 the crew makes propertien for todays open openation sto following the softety met Am for hayted outlind PPE, Eucon, and tode 0800 OSC, TAT, and Hogsech hard softery meeting

1145 Highed brus continues aperation

31 July 90

1300 Haylech crew complete operation and breaks for lunch while availing for the tank truck to arrive.

1400 one Skydlon harten ive tank truck arrives at the site and Haytech crew begins to present to load the Tanker. OSC Rigger Reviewed yestendays 1900-55 and the daily cost

1430 Tot and flagtech crew dressed out in level
"B" PPE, and & begins load the tank.

Truck, Hagtech continues to open I gallon cand
and De Bulk them into an 85 gollon overgeek.

Tot conducted air monitoring with How
and Corbon tetrachloride diager tubes.

The How detected 1-5 plaints at the December and the bringer tubes detected

1-2 ppm, in the work your area the
Detections and were dependent on trind
and distance from the open continues

1930 operation continue at a slow but even

page to allow presonnell in level" "To

1930 operation continue at a slow but even pase to allow presonnell in level"B" To change out and take frequent breat air monitoring at the perimeter remain consistent to the varing wind speedand direction.

1945 pumping operation are secured and haytech begins disconnecting the system 2000 the site secures for the day, Hayted, Eft and Tat departs for the right the Norther tanker departs Enrute Petro chem processing inc., Detroit, mis The Tenker is carring 3700 gellone of product.

1 august 90

0700 Tat and Haytech arrive at the site and awarte ose Rigger to open up the main Entrance.

0730 OSC Rigger open site and Haytech begins to deen house and prepares to crush empty drums and containers. Tat conducts perimeter air monitoring the How detected 1-9 units above Backgound from the perimeter

0900 Haytach personnel continue to crush dums, on cons in level 'B' PE.

1100 Tat and PcT generate the 1900-55 for the previous day.

1200 Crew breaks for hund while waiting for Rolloff to arrive on site.

1300 the crew Returns from bunch and OS Regar approves the 1900-55 and a Das in printed.

1400 OSC Rigger departs the site Enroute alterta 1500 Barton Enkironmental Roll off truck arrives on site, the truck Al Number in #51 with a 20 cu yell Roll off Box

1545 Barton Enrimonmental Truck departs the site with a full load of crusted cand and druma and is servonte BFI land fill in Fayethwille Ga. Hayted crew is securing the area.

13 are left at the site for future dispose Haytech will remain in allany tonight Tat departs Erroute attanta

ATTACHMENT C
Table of Witnesses

TABLE OF WITNESS

Scott W. Dunbar Assistant Regional Safety Officer Roy F. Weston, Incorporated 1575 Northside Drive Building 100, Suite 120 Atlanta, GA 30318 (404) 352-4147

R. Donald Rigger
On Scene Coordinator
U.S. Environmental Protection Agency
315 Courtland Street N.E.
Atlanta, GA 30365
(404) 347-3931

Sam Cook Project Supervisor Haztech, Inc. 5280 Panola Industrial Blvd. Decatur, GA 30035-4013 (404) 981-9332

Eugene Clark Owner Clark Brothers Warehouse P.O. Box 975 Albany, GA 31702 (912) 435-7177 ATTACHMENT D
Site Safety Plan

WESTON SPER DIVISION HAZARDOUS WASTE SITE INVESTIGATION AND EMERGENCY RESPONSE HEALTH AND SAFETY PLAN

| U.S. EPA CONTACT: K. Don Rigger 105C Date of Inspection: 29 Morch 1190 Time: 1210 TDD No. 64-9066-10 Original Safety Plan: Yes No PCS No. 3292 Admendment/Modification No. |
|--|
| SITE SAFETY COORDINATOR: Scott W. Dunbar |
| Site Name: Albany Public Pesticide Warehouse (Clark Brothers) |
| Site Address: Street No. P.o. Box 975 City County State County State County County State Albany County County State Congia Zip Code 31702 |
| Site Contact: Chef Clark Gene Clark Phone (912) 435 - 7717 |
| Directions to Site: (Attach Map) I-75 South to Hwy 300 South to Olhany To Hwy 19 north |
| SITE HISTORY: Public pesticide warehouse containing Several drums of Danned posticide (No 2 grain fumigate) comprised of carbon tetrachloride (82.3%), Carbon distultide (16.3), Carbon Dioxide (1.0%), and Pentane (.4%). |
| INCIDENT DESCRIPTION |
| TYPE: A) Spill Air Release Fire HW Site Other B) Assessment Sampling Emergency Response Clean-up/Removal Other (specify) C) Urban/Residential Commercial Industrial Rural Remote |
| PERSONNEL PHYSICAL SAFETY HAZARDS: |
| Heat Cold Noise Underground Utilities Overhead Utilities Heavy Equipment Slip, Trip, Fall Confined Spaces Pressurized Airlines Explosive Ladders Scaffolds Unguarded Openings-Wall, Floor Liquids in Open Containers, Ponds/Lagoons Other Bulking Manu Factured's Septed Containers |

CHEMICAL CONTAMINANTS OF CONCERN

| | . CONTAMINANT | TLV PEL IDIII | HIYSTCAL CHARACTERISTICS | ROUTE OF EXPOSURE | SYMPTOMS OF ACUTE EXPOSURE | FIRST AID | nistruments to defect |
|---|---|---|---|------------------------|---|---|--|
| 2 | CARBON TETRACHLORIDE 83.3% SEE HSDB | 5 Apm 31 mg/m ³ Carsinogen | COCORLESS LEQUED WETH AN ETHER- LIKE ODOR | EYES AND | DIETANISS, TON DICORDONATION, ANESTHESIA, MAY BE ACCOMPANIED BY AAUSSA AND LIVER DAMAGE. | EYES + SKED: FLUSH WITH WATER, GET MEDITAL APPENTED) TO HALATION: REMONE TO FLESH ACRE + ELLE PATIENT WAEM+ QUITET TWE ESTED): PRODUCE VOME AND GET MED ATTENTED). | HN4-11.7 |
| | CARBON DISULFIDE /6.3% SEE HSDB Description : 1 RE WASHED | Decontamination To | COLOTLESS TO FATATLY YELLOW CROWED WITH A STONE, DESAGELEABLE OR SOLEGISTH A COST WITH A CONTINUATION IN A PARTY SPECIAL HAZARDS; ETTEMELY FLAMMABLE WETH TONITEON TEMPELATO OF 212° F. TOXIC CASLS PRODUCED FROM CONBUSTICAL OF PRODUCT. USE DRY CHEMICAL, CARBON PROSECT. BB USED: IF SKY SUAP AND WATER | CE H J CANTACT I | FATEGUE, WEARDES EN THE LEGE, WASTERDH BAST VERTESO, MANTA, NALLICENATZENS OF STEA HEAREDIC, TASTE, AND SM TW ACUTE, MASSEVE VAPOR EXPOSORES. | TWHALATICA): TENOVE VICTUM FRON CONTINUOUS AREA, ADMINIC ONYGEN AND ARTIFICEAL TY, REPIRATE IF DEEDED. LY SKEN CONTA WASH AREAS WITH COPTOUS AMOUNTS OF US, TWESTICK: TWOUCE VOME! AND FOLLOW W J. GASTRIC LL LAVAGE A SALWE CATHACTICS. | TIC. 2 4 TAGE THE CASE THE CASE |
| | MEDICAL HA | LP. IF INHOLAT | cal/INDESTICAL OC | CURS VICTS | | MEDIATELY | |
| | TAKEN TO A | VALLABLE MEDIC | AL FACULATY FOR T | KEATMENT. | | | |

CHEMICAL CONTAMINANTS OF CONCERN

| RISINGMENTS TO DEITECT | 2 4 | 0115 |
|--|---|--|
| FIRST AID TENALOTICAL TOST WATE. SCOOL TEAT SOUTO DISTORE CON Y AS ROST BETE. | hwamea: Thouse wear, Thouse wear, Thouse wear, The Street Surface The Surface | |
| SYMPTOMS OF FIRST ACITY EXPOSITIE AID TUMALATICAL TOCKALLO TOMACATICAL ESSTERATEAN TATE, FISSH ACK. PHYSTOLUGICAL CHANGE, SCON: THEAT OF TO 59, CANGERERAL OF TO 59, CANGERERAL SEAD CAN CAUSE, SOURD TO SO | LOW TOTALLTY. WERY KNYMMEAN: HECH VAPOR CONCENTENTEAUS FROMLE MARROSSE, SUFFRET FROMFEAL THEMOMETAL COLM CALMANTAL COLM CALMANTAL COLM CALMANTAL COLM CALMANTAL | ,, |
| ROUTE OF EXINGING SCED CAUTACT INHALATECA) | AVHALATZA) ING (STICK) | |
| MINSICAL GIARACITALISTICS CASTLES GAS; CAN BE LEWHO OR SOLTD. STRONG SUFFERNING OROR. | COLOTELESS IT QUED WETH A GASOLENE – WETHERS IT QUED | Be Used: |
| TEN TOTAL 3. PPM 5.2 Mg/m ³ 100 PPM (IDLH) | 15,000 frm (TUY) COLOTELES LE QUED 15,000 frm (TULH) WETH A GNOSENY- | Description of Decontamination To Be Used: |
| SULFUR SULFUR DEGXEDE 1.0% 1.0% 528 HSOB | 7EDTAWE ,4% | Description < [[|

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| Stop dects Stop dects | Wettery Squad | ppareira. Lávos "repur. | 1.2 1.3 1.4 1.5 | 6. FIRE MAZARDS Planth Points Not flammable Plantmobile Limits in Air: Not flammable Pire Estinguishing Agents: Not pertinent Pire Estinguishing Agents Not to be Used: Not pertinent Social Humands of Combustion Products: Forms personnes phospine gas when copyride to open flames. Behavior in Pires: Decomposes in form | E. WATER POLLUTION 8.1 Aquestic Textesty: Data not existable 8.2 Wederland Textesty: Data not existable 8.3 Biological Grygon Demand (BOD'S None 8.4 Peed Chain Concentration Puterrish None |
|---|---|--|--------------------------------|---|---|
| Fire | Not Paramets. POISOMOUS AND IRRITA' West progets and self-cootes | TING GASES ARE PRODUCED WHEN REATED. Individual opportuni | • • | chlorine and phonome Ignation Tomperutaris: Not flammable Electrical Reserve. Not personnel Burning Rote: Not flammable | 9. SELECTED MANUFACTURERS 1. Dow Chemical Co. Midland. Michigan 48640 2. FMC Corp. Integration Chemicals Div. 633 Third Ave. |
| Exposure | OF SWALLOWED and virtue | e artificial responsions, corpus, corp | 7.2 7.3 7.4 7.5 | 7. CHEMICAL REACTIVITY Reconstricts with Water: No reaction Reconstricts with Continues Materiales No reaction Plantiffy Buring Transports: Stable Westerdisting Agents for Acids and Causiffeet Not persons Polymortalising Not persons Inhibitor of Polymortalishous Not personent | New York, N. Y. (2017) 3. Starffer Chemical Co. Industrial Chamicals Div. La Moyne, Alabama 14505 18. SHIPPING INFORMATION 10.1 Grades or Purity: Commercul technical; USP 10.2 Starage Temperatural Ambient 10.3 Inert Ameaghems No requirement |
| | | recur catalon. Histo constrai cillirinis. | | 11. HAZARD RSSESSMENT CODE | 12. PHYSICAL AND CHEMICAL PROPERTIES 13.1 Physical Base at 18°C and 1 often Liquid 13.2 Melosular Weight: 153.83 13.3 Selfing Point at 1 often 170°F = 76.5°C = 349.7°K |
| 3.1 Synonymus Sens Sens Sens Sens Pere Tetr 3.2 Constitued Co Hain 3.3 Cheminal Parms 3.4 (MCO/United No Designations & (| 71846 S. HEALT | 4. OBSERVABLE CHARACTERISTICS 4.1 Physical State (on dispersif): Liquid 4.2 Color: Colorian 4.3 Observ Colorian 4.3 Observable promotic, moderatory strong otherwis, somewhat resembling that of chievelerm. | 12.2 | 12. MAZARD CLASSIFICATIONS Cade of Pederal Regulations ORM — A NAB Honord Reting for Bulk Water Transpartations Category Reting Fire 0 Health Vapor Invitant 1 Liquid or Solid Firstent 1 Person 4 Water Pollution Human Teacuty 2 Aquater Teacuty 2 Aquater Teacuty 2 Admits Teacuty 2 Admits Effect 2 | 13.4 Processing Patiets —9 4°F = —23 0°C = 250 2°K 13.5 Critical Temperatures 541°F = 283°C = 554°K 13.6 Critical Processors 660 pius = 45 stm = 4.6 MN/m² 13.7 Squeetile Branchyr + 59 as 20°C (flevid) 13.8 Liquid Surface Templans 27.0 dynay/cm = 0.027 N/m at 20°C 13.9 Liquid-Water Instrinctal Templans 45.0 dynay/cm = 0.055 N/m at 20°C 13.10 Vapor (Seo) Squeetile Structure of Vapor (Seo) 1.111 13.12 Learnt Head of Vapor (accises 14.2 Stu/fb = 46.8 col/g = 1.959 x 10°J/kg 13.13 Megt of Canabastians Not persisten |
| rubber stoven 3.2 Symptoms Fadle by names and of ornary out 8.3 Yestimens for Ex stames. Ror immodestey or prompty. Sale ge modest etc. 5.4 Tortally by inhest | uting Exponent: Dissipate, in inver destinage. Kidony destings not. Docume: EYES AND SKIN- nove to fresh ser, keep patrant it artificial respiration of breash ontroe promptly. No specific a utilion (Ybrashold Limit Value | rje 10 ppun | 12.3 | Restricty | 13.13 Heat of Consequentless Not personn 13.14 Heat of Solution: Not personn 13.15 Heat of Solution: Not personn 13.16 Heat of Polymerizations Not personn (Comment on page 3 and 6) |
| 5.6 Tooletly by inque 5.7 Late Tooletly: C 5.8 Years (Bee) brit find high come 5.8 Liquid or Belld h | entrations unpleased. The offer reflect Characteristics: Miss vice use smarting and reddeting | rkg (rm) Ameh of inpused. Amen declarate erritation such that personnel will at a timperary. Amen hazard, if spilled on electrony and allowed | | · RC | DITES |

CARBON DISULFIDE

10. HAZARO ASSESSMENT CODE

| E THE INCOMES | 14. INCOME ASSESSMENT OFFE |
|---|--|
| E1 Plant Point —22°F C.C. | (See Handri Assessment Handbook) |
| L3 Plantinoble Limits in Air; 1,3%-90% | A-X-Y |
| 6.3 Pro Extinguishing Agents: Dry shortest. | t |
| cartest disuse | |
| 6.4 Per Estinguishens Agents Not to be | |
| Unnit Water and fours may be meffective | 11. HAZARO CLASSIFICATIONS |
| on tru. | 11.1 Code of Federal Regulations: |
| L.1 Special Humands of Combustion | Formatio food |
| Products: Tous gases are generated: | 11.2 HAS Heard Reing for Bulk Water |
| unter tell- contented breatury apparatus. 4.6 Senerator in First Not parature | Transportations |
| 6.6 Behavior in Piroz Not paramere 6.7 Ignition Temperature: 212°F | Category Reding |
| 1.5 Electrical Humans, Contact of the found or | Fire 4 |
| vigor with the purities of a lighted electric | Health |
| light bulb could result in ignoon. | Veget West |
| 6.9 Burning Roses 2.7 mm/mm. | Liquid or Solid irrhant |
| 6.16 Adiobatic Plama Temperature: | Posene |
| Data not available | Weter Polyton |
| | Human Temply 1 |
| (Continued) | Aquille Texcity |
| | Acceptotes Effect |
| 7. CHEMICAL MEACTIVITY | Reactivity |
| 7.1 Reactivity With Waters He reaction | Other Chambads |
| 7.2 Respiritly with Common Materials: No | Wgar |
| PARTIES | Sell Reaction 6 |
| 7.5 Stability During Transparts States | 11.3 ISPA Hateré Classification |
| 7.4 Houtrafting Agents for Acids and | Cotogory Charafteedon |
| Counting Not partment | Health Hessel (She) |
| 7.5 Polymertaplians Not partners | Permitting (Red) |
| 7.5 Inhibitor of Polymertandons | Respirity (Yellow) 0 |
| Not partners | |
| 7.7 Motor Ratio (Resource to | • |
| Productly Data not overlance | |
| 7.8 Reastivity Group: 38 | |
| | |
| | |
| | 12 PHYSICAL AND CHEMICAL PROPERTIES |
| | |
| | 12.1 Physical State at 16°C and 1 other |
| | Uquel |
| | |
| | 12.2 Meteoder Weight 70.14 |
| | 12.3 Builting Point of 1 stem |
| | 12.3 Bolling Point at 1 atom 116°F = 46.3°C = 318.6°K |
| | 12.5 Beiling Point at 1 ains 116°F == 46.3°C == 318.6°K 12.4 Francisc Point |
| E. WATER POLLETION | 12.3 Boiling Point of 1 dom 116°F = 46.3°C = 316.5°K 12.4 Fronting Point —166.9°F = —111.6°C = 181.6°K |
| | 12.3 Bolling Point of 1 stor 116°F = 48.3°C = 318.5°K 12.4 Proughy Point 12.6 Prince = 111.6°C = 181.6°K 12.6 Critical Temperature: |
| 8.1 Aquello Touletty: | 12.3 Boiling Point of 1 stom 116°F = 46.3°C = 318.5°K 12.4 Prouding Point 12.6 Critical Tomporature 522°F = 273°C = 546°K |
| &1 Aquatio Toulotty: 25 ppm/46 fe/massadio RefvTL _m /Tresh | 12.3 Botting Point of 1 stem 115°F = 44.3°C = 319.5°K 12.4 Processing Points —168.9°F = —111.6°C = 181.6°K 12.5 Critical Temporature 527°F = 277°C = 546°K 12.6 Critical Processors |
| 8.1 Aquella Toulatty: 25 opro/46 hr/massadia fah/TL _e /heah uplar | 12.3 Bolling Point of 1 dom 115°F = 44.3°C = 319.5°K 12.4 Providing Point: —105.5°F = —111.6°C = 181.6°K 12.5 Critical Temperature: 522°F = 273°C = 546°K 12.6 Critical Providing: 1100 pale = 76 don = 7.7 MM/m² |
| Aquatio Toxicoly: 35 ppm/46 hr/manaulto fah/TL _m /frosh- water 8.3 Waterford Toxicoly: Data not available | 12.3 Solling Point at 1 atm 115°F = 44.3°C = 318.5°K 12.4 Prouding Point: —111.6°C = 181.6°K 12.5 Critical Temperature: |
| Aquatic Treasity: 25 peri/46 for/managin fiel/TL.,/fresh veter L3 Weterfeel Treasity: Data not available L3 Belogies Onygen Semana (BOO): | 12.3 Beiling Point of 1 stem 115.7 = 45.7C = 319.5°K 12.4 Proming Point —165.9°F = —111.6°C = 181.6°K 12.5 Critical Temperature 527.7 = 277°C = 546°K 12.6 Critical Promine 1100 page = 76 gam = 7.7 MH/m² 1.20 at 80°C (Report) 1.20 at 80°C (Report) |
| Aquatia Towarity: 35 ppm/45 for/manaphia flat/TL _m /fresh vetter 8.5 Westerfest Towarity: Data not available 8.5 Westerfest Towarity: Data not available Data not available | 12.3 Beiling Point at 1 dem 115°F = 44.3°C = 319.5°K 12.4 Providing Point: —105.5°F = —111.6°C = 181.6°K 12.5 Critical Temperature: 522°F = 273°C = 546°K 12.6 Critical Providing: 1100 pain = 76 den = 7.7 MM/m² 12.7 Specific Brevity: 1.20 at 80°C Mandi 12.8 Liquid Serious Temperature: |
| Aquatic Treasity: 25 peri/46 for/managin fiel/TL.,/fresh veter L3 Weterfeel Treasity: Data not available L3 Belogies Onygen Semana (BOO): | 12.3 Boiling Point of 1 down 115.7 = 45.7C = 318.5°K 12.4 Processing Points |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Beiling Point at 1 dam 115°F = 44.3°C = 319.5°K 12.4 Providing Point: —105.9°F = —111.6°C = 181.6°K 12.5 Critical Temperature: 522°F = 273°C = 546°K 12.6 Critical Temperature: 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specific Gravity: 1.26 at 80°C (liquel) 12.8 Liquel Surface Temperature: 32 gyres/on = .032 N/m at 20°C |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Beiling Point of 1 dam 115.7 = 42.7 C = 319.5 K 12.4 Pressing Point —168.0 P = —111.6 C = 181.6 K 12.5 Critical Temperature: 52.7 = 277 C = 546 K 12.6 Critical Pressure: 1100 pain = 76 am = 7.7 MH/m² 12.7 Specific Groutly: 1.28 at 60°C (Rood) 12.8 Liqual Surface Temperatur: 32 dynes/on = .032 N/m at 20°C 12.9 Liqual Water Instruction Temperatur |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Beiling Petrit at 1 stem 115°F = 44.3°C = 319.5°K 12.4 Providing Petrit —168.5°F = —111.6°C = 181.6°K 12.5 Critical Temperature 52°F = 27°3°C = 546°K 12.6 Critical Providing 1100 pata = 76 stm = 7.7 MM/m² 12.7 Specific Servicing 1.20 at 60°C (Read) 12.8 Liquid Service Tomaion 32 dynas/am = 62°C N/m at 20°C 12.9 Liquid Writer Interfectal Templare 48.4 dynas/am = 6444 M/m at 20°C |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Beiling Point at 1 stem 115.7 = 46.3°C = 319.5°K 12.4 Pressing Point —166.9°P = —111.6°C = 181.6°K 12.5 Critical Temperature 52.7° = 273°C = 546°K 12.6 Critical Pressure 1100 pate = 76 stm = 7.7 MM/m² 12.7 Specific Gravity 1.20 at 80°C (Rust) 12.8 Liquid Surface Temperature 32 dynas/om = 626 N/m at 20°C 12.9 Liquid Surface Temperature 48.4 dynas/om = 6464 N/m at 20°C 12.10 Vapor (Bass Specific Heath of Vapor (Bass 1.282) |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Boiling Point of 1 date 115.7 = 45.7C = 318.5°K 12.4 Processing Points —165.5°F = —111.6°C = 181.6°K 12.5 Critical Processors 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specific Growthis 1.20 at 80°C Gloud 12.8 Liquid Services Terminis 22 dynas/com = 052 N/m at 20°C 12.9 Liquid Services Terminis 4.6 dynas/com = 0546 N/m at 20°C 12.19 Vaper (Shark Specific Growthy 2.8 12.11 Note of Specific House of Vaper (Shark 1.202 12.11 Liquid House of Vaperilations |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Botting Point of 1 stem 115.7 = 46.3°C = 318.5°K 12.4 Pressing Point —168.9°C = —111.6°C = 181.6°K 12.5 Critical Temperature: 52.9°C = 27.3°C = 546°K 12.6 Critical Pressure: 1100 pain = 76.50°C = 7.7 MM/m² 12.7 Specific Greening: 1.28 of 60°C (Rand) 12.8 Liquid Surface Temperature: 32 dynaw/on = 052 M/m of 20°C 12.9 Liquid Surface Temperature: 48.4 dynaw/on = 0464 M/m of 20°C 12.10 Vaper (Gas) Specific Greening 25°C 12.11 Ratio of Specific Greening 25°C 1.282 1.282 1.185 Stuffe = 66 caf/g = |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Beiling Point at 1 stem 115.7 = 46.3°C = 319.5°K 12.4 Providing Point: —166.5°P = —111.6°C = 181.6°K 12.5 Critical Temperature: 52.7° = 273°C = 546°K 12.6 Critical Processors: 1100 pate = 76 stm = 7.7 MM/m² 12.7 Specific Gravity: 1.20 at 80°C (Rajed) 12.8 Liquid Surface Temperature: 52 dynes/om = 020 N/m at 20°C 12.9 Liquid Surface Temperature: 48.4 dynes/om = 0464 N/m at 20°C 12.10 Vaper (Bass Specific Gravity: 2.8 12.11 Reste of Specific Health at Vaper (Gass 1.292) 12.12 Latent Healt of Vaperisation: 15.25 Shi/b = 66 ant/g = 2.560 K 10° J/kg |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.3 Boiling Point of 1 down 115.7 = 45.7C = 319.5°K 12.4 Processor Points —166.5°F = —111.6°C = 181.6°K 12.5 Critical Processors 1100 sets = 76.56°K 12.6 Critical Processors 1100 sets = 76.56°K 12.7 Securité Ground 12.9 Liquid Surface Tension 32 dynas/am = 0.22 N/m at 20°C 12.9 Liquid Surface Tension 32 dynas/am = 0.56 N/m at 20°C 12.10 Vacer (filant Specific Ground) 1.292 12.11 Rodo of Specific Health of Vapor (filant) 1.292 12.12 Liquid Mater to Vapor (filant) 1.292 12.13 Liquid Mater of Vapor (filant) 1.292 12.14 Liquid Mater of Vapor (filant) 1.292 12.15 Liquid Mater of Vapor (filant) 1.293 X 10° J/mg 12.16 Liquid Mater of Vapor (filant) 12.17 Liquid Mater of Vapor (filant) 12.18 Liquid Mater of Vapor (filant) 12.19 Liquid Mater of Vapor (filant) |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.2 Beiling Point of 1 dem 115.7 = 46.3°C = 318.5°K 12.4 Pressing Point —168.9°C = —111.6°C = 181.6°K 12.5 Critical Temperature: 52.9°C = 27.3°C = 546°K 12.6 Critical Pressure: 1100 pain = 76 am = 7.7 MM/m² 12.7 Specific Granding 1.28 of 60°C (Rand) 12.8 Liquid Surface Temperature: 32 dynaw/on = 0.052 M/m of 20°C 12.9 Liquid Surface Temperature: 48.4 dynaw/on = 0.464 M/m of 20°C 12.10 Vaper (Gas) Specific Granding Condition: 1.28°C 12.13 Shuffs = 66 cell/g = 2.568 K 10° J/kg 12.13 Need of Conditions of Vaper (Gas) 1.28°C 1.28°C Conditions of Vaper (Gas) 1.28°C Conditions of Conditions |
| 4.1 Aquatis Towarty; 33 ppm/46 hr/manquite Sph/TL _m /Inveh- weter 6.3 Weterfeet Towarty; Data not available 6.3 Beloginal Guygan Somand (SCO); Data not available 6.4 Food Chain Concentration Patentish | 12.2 Beiling Point at 1 stem 115.7 = 45.7C = 319.5°K 12.4 Providing Point: —166.9°P = —111.6°C = 181.6°K 12.5 Critical Temperature: 52.7° = 27.7°C = 546°K 12.6 Critical Processor: 1100 pate = 76 stm = 7.7 MM/m² 12.7 Specific Growing: 1.28 at 60°C (Road) 12.8 Liquid Surface Temperature: 22 dynas/om = 652 N/m at 20°C 12.10 Vapor (Sate) = 652 N/m at 20°C 12.11 Vapor (Sate) Specific Growing: 20°C 12.12 Littor foot of Vapor Grows 1.292 12.12 Littor foot of Vapor (Sate) 2.560 X 10° J/mg 12.13 Mark of Construction: —6014 Sate) ——2200 cst/g = —125.2 X 10° J/m 12.14 Heat of Construction: Not permant |
| Aquatic Torostry: 35 pen/46 for/manualis Set/TL_/fresh unter B.3 Waterfeet Torostry: Date net evaluate B.3 Belogised Guygan Demand (BOO): Date net evaluate A.4 Poed Chain Concentration Patentisk None | 12.2 Beiling Point of 1 dem 115.7 = 45.7C = 318.5°K 12.4 Presents Points —166.5°F = —111.6°C = 181.6°K 12.5 Critical Presentation 12.6 Critical Presentation 1100 pate = 76 gam = 7.7 MM/m² 12.7 Specially Greenwise 1.20 at 60°C (Read) 12.8 Liquid Services Terminist 22 dynamic on = 0.02 N/m at 20°C 12.9 Liquid Services Terminist 46.4 dynamic on = 0.646 N/m at 20°C 12.10 Vaper (Shark Specially Presents 1.202 12.11 Reads of Specially Health of Vaper (Gams 1.202 12.12 Licuit Healt of Vaperisation: 13.5 Sha/S = 64 and/g = 2.560 K 10° J/mg 12.13 Healt of Communities —0814 Sha/S = —2220 cat/g = —132.2 K 10° J/m 12.14 Healt of Occomposition Not performed 12.15 Healt of Decemposition Not performed 12.16 Healt of Decemposition Not performed |
| A.1 Aquatic Torocoty: 25 perc/46 for/managin fet/TL_/fresh voter 6.3 Waterfoot Torocoty: Date not evaluate 8.3 Securities Torocoty: Date not evaluate 8.4 Feed Chain Concentration Potentials None 9. SHIPPING INFORMATION 8.1 Gredes of Purity: Communicat, technical | 12.3 Beiling Point of 1 dem 115.7 = 46.3°C = 318.5°K 12.4 Proseting Point —168.9°C = —111.6°C = 181.6°K 12.5 Critical Temperatures 52.9°C = 27.3°C = 840°K 12.6 Critical Processors 1100 pate = 76 atm = 7.7 MM/m² 12.7 Specific Growthy 1.20 at 60°C (flyind) 12.9 Liquid Shritese Temperatur 32 dynamin = 0.02 M/m at 20°C 12.9 Liquid Shritese Temperatur 48.4 dynamin = 0.044 M/m at 20°C 12.10 Vaper (floss) Specific Growthy 2.8 12.11 Robe of Specific Growthy 2.8 12.12 Lenni Most of Vaperitations 1.302 1.302 1.303 Nat 10° J/mg 12.13 Heat of Continuenture —8014 Shr/h — 3230 cat/g = —139.2 X 10° J/mg 12.14 Heat of Continuenture —8014 Shr/h — 3230 cat/g = —139.2 X 10° J/mg 12.15 Most of Selection Not performs 12.16 Heat of Desemposition Not performs 12.16 Heat of Polymorhambers Not performs 12.19 Heat of Selection Not performs |
| A.1 Aquatio Tomosty; 25 pers/46 for/manaulia fish/TL_/fresh water 8.3 Waterfoot Tondathy; Data not available 8.3 Baceplas Oxygen Semand (BOD); Data not available 8.4 Peed Chain Concentration Potentials None 8. SHIPPINE INFORMATION 8.1 Gredus of Purity; Commission teatmost; USP | 12.2 Beiling Petrit at 1 stem 115.7 = 46.3°C = 319.5°K 12.4 Presenting Petrit —168.9°P = —111.6°C = 181.6°K 12.5 Critical Temperature 527.7° = 277°C = 546°K 12.6 Critical Temperature 1100 pate = 76 stm = 7.7 MM/m² 12.7 Specific Growing 1.28 at 80°C (Road) 12.8 Liquid Surface Temperature 22 dynes/on = 052 N/m at 20°C 12.9 Liquid Water Interfacial Temperature 48.4 dynes/on = 0484 N/m at 20°C 12.10 Vapor (Bass Specific Growing 25°C 12.11 Rete of Specific Heats of Vapor (Bass) 1.292 12.12 Licent Feet of Vapor Interface 13.3 Shi/b = 66 cd/g = 2.560 K 10° J/kg 12.14 Heat of Construction = 0814 Shi/b = -2220 cd/g = -132.2 K 10° J/kg 12.15 Heat of Specific Not perferred 12.16 Heat of Polymorthialistic Not perferred 12.28 Heat of Polymorthialistic Not perferred |
| Aquatic Torschy; JS pen/46 te/manadis Set/TL_/fresh unter 8.3 Waterfeet Torschy; Data not available 8.3 Seteptoni Guygan Demand (SCO); Data not available 6.4 Pood Chain Consentration Patentish None 8. SHIPPINS SETUMBATION 8.1 Grades to Perity; Commissed, technical: USP 8.2 Strape Tompoverse Amelians | 12.3 Beiling Point of 1 dem 115.7 = 45.7C = 318.5°K 12.4 Processing Points —165.5°F = —111.6°C = 181.6°K 12.5 Critical Processors 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specially Processors 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specially Processors 12.8 Liquid Services Terminis 22 dynas/on = .032 N/m of 20°C 12.9 Liquid Services Terminis 46.4 dynas/on = .0464 N/m of 20°C 12.10 Vaper (Shark Specially Processors 12.11 Roots of Specially Resets of Vaper (Ghark Specially Cally = 3.560 K 10° J/m) 12.12 Little Hoot of Vaperisation 13.10 Note of Consideration —0814 Sharb — 3.560 K 10° J/m 12.11 Hoot of Consideration Not perform 12.15 Hoot of Decemposition Not perform 12.16 Hoot of Polynomiasion Not perform 12.16 Hoot of Polynomiasion Not perform 12.19 Hoot of Polynomiasion Not perform 12.10 Hoot of Polynomiasion Not perform 12.1 |
| A. SHIPPING INFORMATION S. SHIPPING INFORMAT | 12.2 Beiling Petrit at 1 stem 115.7 = 46.3°C = 319.5°K 12.4 Presenting Petrit —168.9°P = —111.6°C = 181.6°K 12.5 Critical Temperature 527.7° = 277°C = 546°K 12.6 Critical Temperature 1100 pate = 76 stm = 7.7 MM/m² 12.7 Specific Growing 1.28 at 80°C (Road) 12.8 Liquid Surface Temperature 22 dynes/on = 052 N/m at 20°C 12.9 Liquid Water Interfacial Temperature 48.4 dynes/on = 0484 N/m at 20°C 12.10 Vapor (Bass Specific Growing 25°C 12.11 Rete of Specific Heats of Vapor (Bass) 1.292 12.12 Licent Feet of Vapor Interface 13.3 Shi/b = 66 cd/g = 2.560 K 10° J/kg 12.14 Heat of Construction = 0814 Shi/b = -2220 cd/g = -132.2 K 10° J/kg 12.15 Heat of Specific Not perferred 12.16 Heat of Polymorthialistic Not perferred 12.28 Heat of Polymorthialistic Not perferred |
| Aquatic Torschy; JS pen/46 te/manadis Set/TL_/fresh unter 8.3 Waterfeet Torschy; Data not available 8.3 Seteptoni Guygan Demand (SCO); Data not available 6.4 Pood Chain Consentration Patentish None 8. SHIPPINS SETUMBATION 8.1 Grades to Perity; Commissed, technical: USP 8.2 Strape Tompoverse Amelians | 12.3 Beiling Point of 1 dem 115.7 = 45.7C = 318.5°K 12.4 Processing Points —165.5°F = —111.6°C = 181.6°K 12.5 Critical Processors 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specially Processors 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specially Processors 12.8 Liquid Services Terminis 22 dynas/on = .032 N/m of 20°C 12.9 Liquid Services Terminis 46.4 dynas/on = .0464 N/m of 20°C 12.10 Vaper (Shark Specially Processors 12.11 Roots of Specially Resets of Vaper (Ghark Specially Cally = 3.560 K 10° J/m) 12.12 Little Hoot of Vaperisation 13.10 Note of Consideration —0814 Sharb — 3.560 K 10° J/m 12.11 Hoot of Consideration Not perform 12.15 Hoot of Decemposition Not perform 12.16 Hoot of Polynomiasion Not perform 12.16 Hoot of Polynomiasion Not perform 12.19 Hoot of Polynomiasion Not perform 12.10 Hoot of Polynomiasion Not perform 12.1 |
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| Aquatic Torschy; JS ppri/46 hr/massalis feh/TL_/heeh voler Salistries Torschiy; Data not available Besegtes Grygen Stemant (BCO); Data not available Feed Chain Concentration Patentish None A. SHIPPING INFORMATION A. | 12.2 Beiling Point of 1 dem 115.7 = 45.7C = 318.5°K 12.4 Prouding Point —168.9°F = —111.6°C = 181.6°K 12.5 Critical Temperatures 52.7° = 27.7°C = 546°K 12.6 Critical Processors 1100 pate = 76 am = 7.7 MM/m² 12.7 Specific Granding 12.8 Liquid Surface Temperature 32 dynaw/on = 052 M/m of 20°C 12.9 Liquid Surface Temperature 48.4 dynaw/on = 054 M/m of 20°C 12.10 Vaper (Gast) Specific Granding 1.282 12.11 Rodo of Specific Granding 1.282 12.12 Lincont Most of Vaperitation 1.292 12.13 New of Continuent of Vaper (Gast) 1.292 12.14 Hour of Continuent of Vaper (Gast) 12.15 Most of Continuent Not perform 12.16 Most of Selection Not perform 12.17 Most of Selection Not perform 12.18 Hour of Selection Not perform 12.19 Hour of Selection Not perform 12.29 Hour of Posterior 12.20 only 12.21 Lincony Value Con roti orabitie 13.27 Rodo Vaper Processors: 10.3 stan |
| Aquatic Torschy; JS ppri/46 hr/massalis feh/TL_/heeh voler Salistries Torschiy; Data not available Besegtes Grygen Stemant (BCO); Data not available Feed Chain Concentration Patentish None A. SHIPPING INFORMATION A. | 12.3 Beiling Point of 1 dem 115.7 = 45.7C = 318.5°K 12.4 Processing Points —165.5°F = —111.6°C = 181.6°K 12.5 Critical Processors 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specially Processors 1100 pain = 75 gam = 7.7 MM/m² 12.7 Specially Processors 12.8 Liquid Services Terminis 22 dynas/on = .032 N/m of 20°C 12.9 Liquid Services Terminis 46.4 dynas/on = .0464 N/m of 20°C 12.10 Vaper (Shark Specially Processors 12.11 Roots of Specially Resets of Vaper (Ghark Specially Cally = 3.560 K 10° J/m) 12.12 Little Hoot of Vaperisation 13.10 Note of Consideration —0814 Sharb — 3.560 K 10° J/m 12.11 Hoot of Consideration Not perform 12.15 Hoot of Decemposition Not perform 12.16 Hoot of Polynomiasion Not perform 12.16 Hoot of Polynomiasion Not perform 12.19 Hoot of Polynomiasion Not perform 12.10 Hoot of Polynomiasion Not perform 12.1 |

- ED Usual or Bolid byttert Chi short exposure and may eause secondary burns on long exposure.

 L.10 Oder Traveledig 0,21 ppm

 L.11 IDLH Values 900 ppm

Continued

& FIRE MAZAROS (Continued)

- 6.11 StateMarmons Air to Pout Rada; Data not evaluable 6.12 Plante Temperature: Data not evaluable

5.4 Toxisity by Inhabition (Throughold Limit Value): 1000 ppm

5.5 Short-Torra Inhabetion Limite: 30,000 pyra for 60 mm. 5.6 Toulally by Ingentions. Not personnt (gas with law boding point)

5.8 Yapar (Gas) fyrfant Characteristics: Data ant available 5.9 Uquad or Solid tertant Characteristics: Date are ereciable

5.7 Late Testalist Ness

5.10 Oder Threshold: Net pertinent

& FIRE HAZAROS 6.1 Plack Point: Not flammable 6.2 Planumable Limits in Air: Not flammable 6.3 Per Extinguishing Agents: Not porter 8.4 Fire Extinguishing Agents Het to be Used: Not pertinent 4.5 Securit Hearris of Combustion Produ 8.6 Behavior in First Containers may explode 6.7 Ignition Temperatures: Net partie 6.8 Bostriaal Hasterds Not pertinent 6.9 Burning Rates Not pertinent 7. CHEMICAL REACTIVITY 7.1 Recodinity with Waters No reaction 7.2 Receivity with Common Materialm 7.3 Stabilly During Transport: Stable 7.4 Housestising Agents for Acids and Catalities Not purchased 7.5 Polymerinations Not part 12.1 Code of Federal Regulations: Necfanometra compressed gas 12.3 MPPA Hanned Classificati

L WATER POLLUTION

- 8.1 Amento Tontello
 - 100-200 mg/1 /4/various organisms/LC/ fresh water
 - *Time period not specified
- 8.2 Wetertout Toutetty: Inhalation 5-8%.
- no effect
- 8.3 Biological Oxygon Bomand (BOD): None 8.4 Food Chain Concentration Patentials Non-

9. SELECTED MANUFACTURERS

- 1. Chemetres Corporation 111 E. Wacker Drive Chicago, III. 60601
- 2. Union Carbide Corporation Linda Division Macrosova, N. J. 08057
- Liquid Carbonic Corporation 135 S. LaSaille St. Chicago, III. 60103

16. SHIPPING INFORMATION

- 10.1 Grades or Purity: Research: 99 995+%: Instrument: 99.99+%: Bone Dry: 99.95+3 Commercial: 99 5+%
- 10.2 Storage Temperature: Ambient
- 10.3 Inert Atmospheres Ne requirement
- 10.4 Vandings Liquid—safety retrof; solid—apro

13 PHYSICAL AND CHEMICAL PROPERTIES

13.1 Physical State at 18°C and 1 atms: Gas

Water Water

13.3 Building Point at 1 atom Not perso (sublemen)

IL HAZARD ASSESSMENT CODE

A-C-II

12. NAZARO CLASSIFICATIONS

- 12.2 NAS Henerá Ruting for Bull: Water
- 13.4 Precising Points -109.3°F = -78.5°C = 194.7°K

 - 13.5 Critical Temperatures 18°F = 31°C = 304°K
 - 13.6 Critical Provi
 - 1,079 pag = 72,9 stm = 7,40 MN/m2 13.7 Specific Granity: 1.56 at -79°C (solid)
- 13.8 Liquid Suriton Tension: Not personnel
 13.9 Liquid-Water Intertected Tensions
 - Not portin
- 13.10 Vapor (Gas) Specific Gravity: 1.53 13.11 Rado of Squalfic Hosts of Vapor (Goo)s
- 13.12 Leton Heat of Vaportantians 150 Bts//b = 83 csi/g = 3.5 × 10° J/kg
- 12.13 Heat of Combustions Not partment
- 13.14 Heat of Decompositions Not persinent
- 13.15 Heat of Solutions Not pursuent
- 13.16 Heat of Polymerlanders: Not pertinent

HOTES

4

N

Elect of the constraints on asset the uni-lies to conjume 1.1 order time resea. Note total leaf off with other chart. Note company of castle offices. Water Pollution

L RESPONSE TO DISC.

2. UAG 21 Company Pa 22 Company Pa

1 CHEMICAL DESIGNATIONS

DESCRIVELE CHARACTURISTICS

C. Chen Conne

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CO Compatibility Class Parather Personal roCality BOAND Designation 21/1206 DOT ID No. 1206 CAS Augusty No. 150-60-

S. MEALTH SAZARES

2

PHYSICAL AND CHEMICAL PROPERTIES 14. NAZARD ASSESSMENT COOK (Not human Assessment Hardwest) A-T-U-V-W M 1670 and 1 atm 11. MAZAND CLASSIFICATIONS 12.12 MOTES Assessedy With Waters his resident Assessedy with Common Manual In-At Orses of Parity Par (B.2%) More measure (B.2%) and the control of the Barrian American American A best American As recomment to the Control of the Contro 7. CHEINCAL REACTIVITY & WATER POLLISTION THE HAZARDS 2 33 22 Ξ 72 2.2

SPECIFY PPE TYPE

| TASK TO BE PERFORMED | ANTIC. LEVEL OF PROTECT. | COVERALL | GLOVE IN/OUT. | AIR PURIF. RESPIRATOR CART/CANN |
|--------------------------------|-----------------------------------|--|------------------|---------------------------------------|
| ERCS MONITORING | В | | PVC/LATEX | 5c BA |
| AIRMONITORING | | SAFETY SHOE | HARD HAT | SPLASH SHIELD |
| DOCUMENTATION - | | | | |
| Anticipated Monitorin | a | | | |
| Radiation Meter [1 | CGI [/ | HNU [🗸 //. | 7 eV Probe | OVA [|
| | CATION | PHONE NO | TIFIED | |
| FIRE Albany 6 | a (912 | .) 431-3262 | \sim | |
| POLICE Albany, G | ia (912 | .) 431-3290 | <u>~</u> | |
| AMBULANCE Albury, G | ra (91) | 2) 883 - 1800 | ~ | |
| HOSPITAL Albany | rg (918 | 2) 883-1800 | | |
| CHEMICAL TRAUMA CAPABILITY? | у | | | |
| DIRECTIONS TO HOSPITAL: (ATTA | CH MAP) RTE. | VERIFIED BY | DATE | |
| C.B. PUTNEY Memorial | Huspital. | EXIT SITE LEF | T ON ROOSEVEL | 76 |
| SIAPPEH Rd . To. 1915) T | ake Jeffe | isow exit of | f of 195. | |
| and follow hospital sig | ws. Hospite | l 1/2 mile fr | m exit. | |
| ADDITIONAL EMERGENCY PHONE CO | NTACTS: | | | |
| CHEMTREC | - | 800) 424-9300 | | |
| TSCA HOTLINE | | 800) 424-9065, (20 DAY) (404) 329-288 | | |
| ATSDR | = | NIGHT) (404) 529-288 | | |
| AT & F (EXPLOSIVES INFO.) | (| 800) 424-9555 | | |
| NATIONAL RESPONSE CENTER | , | 800) 424-8802 | | · |
| WESTON MEDICAL EMERGENCY SERV | · | 513) 421-3063 | | |
| WESTON 24 HOUR HOTLINE | | 215) 524-1925, 192: | 6 | |
| PESTICIDE INFORMATION SERVICE | • | 800) 845-7633 201) 321-6660 | | |
| EPA ERT EMERGENCY RCRA HOTLINE | - | 800) 424-9346 | | |
| CMA CHEMICAL REFERRAL CENTER | • | 800) 262-8200 | | |
| NATIONAL POISON CONTROL CENTE | - | 800) 942-5969 | | |
| U.S. DOT | () | 202) 366-0656 (Day | only) | |
| Prepared by: (Numas y. or | nderland | Date: 3/28/9 | 0 | |
| Pre-Response Approval by: | lyBOH | Date: 3/08/90 | | |

TDD# 04-9003-41 PCS# 3151

| OBSERVED CONDITIONS/AC | TIVITIES | | | |
|---|---------------------|----------------|---------------------|-----------------|
| Describe Initial Condi | tions (So | urce/Type/ | Quantity): <u>F</u> | um:gant |
| being stored in u | varehouse | (55 gal a | drums, 5 g | al drums, I gal |
| cans). Containers a | re core | roding bo | edly. Fumiga | nt appears |
| to be leaking st. | | ▼ | • | |
| quantity leaked unknow | wn. No | Visible | liquid ! | sooling on |
| the floor. | | | | |
| DOCUMENTATION P | | | | |
| Type: Photo | Log Book | R | ecorder | Video |
| PHYSICAL DESCRIPTION | | | | |
| Size of Site: Warehouse | Topography Terrain: | flat | Weather OVE/Ca: | 5 <u>f</u> 75° |
| Distance to Nearest: Residenc | :e Sc | hool | Hospital | |
| Public 8 | uilding | other Ware | house | |
| Evacuation: Yes No | Number | By Whom | | |
| Nearest Waterway: | | _Distance: | | |
| Condition | Observed | Potential | None | |
| Surface Water Contamination | | | V g | |
| Ground Water Contamination Drinking Water Contamination | | | | |
| Air Contamination | | | | |
| Soil Contamination | | | | |
| Stressed Vegetation | | | | |
| Dead Fish, Other Animals | | | | |
| ACTIONS TAKEN ON SITE: (Attac | | | es) | · |
| Was Entry Made by TAT: YES_ | NO | | | |
| | • | PPE Used and N | | |
| TAT Monitored ERCS | AND C | ovducted | MIR MONITOR | ring |
| B" entry - product i | s a carci | Nogen , p | oisonous. | |
| · | | | | |

AIR MONITORING LOG

| OVA | Calibration See | Site Instrument | Log |
|------------|-----------------|-----------------|-----|
| HNU | Calibration | <i>[1</i> | |
| α I | Calibration | , (| |

Background 0₂ 20.8 %
Organics 1.0 units HNU
Radiation z mu/m

OGI 0% LEL

(ATTACH CALIBRATION DATA TO LOG)

SITE NAME

| STATION/ LOCATION | DATE | TIME | NAME OF AIR MONITOR | TYPE OF EQUIPMENT (HNU(PROBE/SPAN), CGI, OVA, RAD MIR | READING | SUMMARY/COMMENTS |
|--|---------------------|-----------|-----------------------|---|-------------------------------|--|
| Warehouse - Containers Stacked on pallets (DP-1,2) | j | | 1 - | Rad Mtr CGI HNU - 11.7 | 20.8 % 0% LEC 2-3 units | Background only. Floor near drums on pallets. |
| | | | | | | |
| | | | | | | 2 |
| | | | 1 | | | 4 |
| | | | | | | 0122 |

AIR BUILDRING 103

Background 0, 20,5 % Organics 1 4mil.

137 %0 150

(ATTACH CALHMATTON IMIN TO LOG)

SITE HAME

| STATION | | | MAME OF AIR | | | |
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| IOVATION | HWILE | I:wu:.l | monness i | TYPE OF EQUIPMENT | [MENDITE] | POPADTIES (SUPERARY/COMMERTES |
| | | | | (HIRT (HANDE/SPAN), | | |
| | | | | | - | Hot / Humid Cleap St. Marianist |
| Continuous | 7/31/90 10830 | 0830 | DunbAR | 797 | 20.5%02 | 20.5 % 02 MI was conducted in a well |
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| Derimoter | | | | HNU 11.7 Prode 11-350 | 1.350 | The work your area, but were |
| Sand | | 7080 | | | - Lance | depresently comes as the |
| Oue to location | | | | Orager (contour TET) 1-2 Mm | 1-2 Am | AT The perimeter |
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OVA Calibration HAU Calibration CGI Calibration 4

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| AVO | Calibration | | |
|------------|---------------|---------|--|
| HHU | Calibration _ | 8/1/90 | |
| α I | Calibration | 8/11/90 | |

Backgrount 0, 20.5%
Organics 1- unit
Radiation

0% LEL $\alpha \pi$

(ATTACH CALIBRATION DATA TO LOG)

| | | | SITE | HAHE | | |
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| Perimeter | 8/1/90 | | Dunbar | HNU 11.7 | Backgound 1-9 UNITS | from the perimeter, Elevated meadings were detected when wind bir changes and all perso moved up wind. |

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| action | | 1 .1 | | 7 7 7 0 - 0 | | - June | <u> </u> |
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| las Iah Bo | en Notified of | Potontia | l Hazard | Lovola | Vos | No. V | . / |
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| Note: This | s Health and S | afetv Pla | n was n | repared | for wo | rk to be | |
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| | . Use of this | _ | | | | | |
| he TIT con | tract is intend | ed to ful: | Fill the | OSHA PAG | ים מם יוודי | nte found | |

N the TAT contract is intended to fulfill the OSHA requirements found in 29 CFR 1910.120. Items not specifically covered in this plan are included by reference to 29 CFR 1910 and 1926.

I have read and understand this safety plan.

| NAME (PRI | NTED) | SIGNATURE | AFI | FILIATION | DATE |
|-----------|------------------------|-------------|-----------------|-----------|------------------------|
| Thomas J. | Sunderland | Thomas (| 1. Sunderland | WESTON | 3/29/90 |
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The Occupational Safety and Health Act of 1970 provides job safety and health protection for workers by promoting safe and healthful working conditions throughout the Nation. Requirements of the Act include the following:

Employers

All employers must lumish to employees employment and a place of employment free from recognized hazards that are causing or are likely to cause death or serious harm to employees. Employers must comply with occupational safety and health standards issued under the Act.

Employees

Employees must comply with all occupational safety and health standards, rules, regulations and orders issued under the Act that apply to their own actions and conduct on the job.

The Occupational Safety and Health Administration (OSHA) of the U.S. Department of Labor has the primary responsibility for administering the Act. OSHA Issues occupational safety and health standards, and its —Compliance Safety and Health. Officers conduct lobsite inspections to help ensure compliance with the Act.

Inspection

It requires that a representative of the employer and a representative ed by the employees be given an opportunity to accompany the anspector for the purpose of aiding the inspection.

where there is no authorized employee representative, the OSHA Compliance Officer must consult with a reasonable number of employees concerning safety and health conditions in the workplace.

Complaint

Employees or their representatives have the right to file a complaint with the nearest OSHA office requesting an inspection if they believe unsale or unhealthful conditions exist in their workplace. OSHA will withhold, on request, names of employees complaining.

The Act provides that employees may not be discharged or discriminated against in any way for filing safety and health complaints or for otherwise exercising their rights under the Act.

Employees who believe they have been discriminated against may file a complaint with their nearest OSHA office within 30 days of the alleged discrimination.

Citation

If upon inspection OSHA believes an employer has violated the Act, a citation alleging such violations will be issued to the employer. Each

citation will specify a time period within which the alleged violation must be corrected

The OSHA citation must be prominently displayed at or near the place of alleged violation for three days, or until it is corrected, whichever is later, to warm employees of dangers that may exist there.

Proposed Penalty

The Act provides for mandatory penalties against employers of up to \$1,000 for each serious violation and for optional penalties of up to \$1,000 for each nonserious violation. Penalties of up to \$1,000 per day may be proposed for tailure to correct violations within the proposed time period. Also, any employer who withly or repeatedly violates the Act may be assessed penalties of up to \$10,000 for each such violation.

Criminal penalties are also provided for in the Act. Any willful violation resulting. In death, of an employee, upon conviction, is punishable by a fine of not more than \$10,000, or by imprisonment for not more than six months, or by both. Conviction of an employer after a first conviction doubles these maximum penalties.

Voluntary Activity

While providing penalties for violations, the Act also encourages efforts by labor and management, before an OSHA inspection, to reduce workplace hazards voluntarily and to develop and improve salety and health programs in all workplaces and industries. OSHA's Voluntary Protection Programs recognize outstanding efforts of this nature.

Such voluntary action should initially focus on the identification and elimination of hazards that could cause death, injury, or illness to employees and supervisors. There are many public and private organizations that can provide information and assistance in this effort. If requested, Also, your local OSHA office can provide considerable help and advice on solving salety and health problems or can refer you to other sources for help such as training.

Consultation

Free consultative assistance, without citation or penalty, is available to employers, on request, through OSHA supported programs in most State departments of labor or health.

More Information

Additional information and copies of the Act, specific OSHA safety and health standards, and other applicable regulations may be obtained from your employer or from the nearest OSHA Regional Office in the following locations:

Atlanta, Georgia Boston, Massachusetts Chicago, Illinois Dallas, Texas Denver, Colorado Kansas City, Missouri New York, New York Philadelphia, Pennsylvania San Francisco, California Seattle, Washindion Telephone numbers for theseoffices, and additional area office locations, are listed in the telephone directory under the United States Department of Labor in the United States Government listing. Washington, D.C. 1985 OSHA 2203

William E. Brock, Secretary of Labor

U.S. Department of Labor
Occupational Safety and Health Administration

Under provisions of Title 29, Code of Federal Regulations, Part 1903.2(a)(1) employers must post this notice (or a facelimile) in a conspicuous place where notices to employees are customarily posted.

| SITE SAFETY PLAN AMENDMENT # 1 : |
|--|
| SITE NAME: <u>CLARK BROS. WAREHOUSE</u> |
| DATE: 7/26/90 |
| TYPE OF AMENDMENT: Scope OF WORK Change |
| REASON FOR AMENDMENT: TAT WILL BE REQUIRED TO CONDUCT AIR |
| MONITORING PERIODICALLY DURING TRANSFOR OPERATION'S |
| THE PARTY PARTY OF THE PARTY OF |
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| |
| ALTERNATE SAFEGUARD PROCEDURES: LEVEL "B" with air monitoring |
| with HNU. 11.7 phobe to determine of set. Migialin |
| only |
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| (10) |
| REQUIRED CHANGES IN PPE: LEVEL "B", Vitam glones, |
| Coveralla, Harthat and safety shield. |
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| ERCS Response Manager (Date) ERCS Safety Officer (Date) |
| Scott Dunfar 7/26/90 Vauhun M Venne 7/26/90 Weston RSO (Date) |
| U.S. EPA OSC (Date) U.S. EPA Safety Officer (Date) |
| U.S. EPA USC (Date) (U.S. EPA Safety Officer (Date) |

ATTACHMENT F

2 4 0132

Polrep #1 and Final Clark Brothers Warehouse Pesticide Removal Albany, Dougherty County, Georgia

TO: Doug Lair

ATTN: Bruce Englebert

From: R. Donald Rigger

Date: 07 August 1990

I. Situation

In early December 1985, ICP Chemical requested Clark Brothers Warehouse to store numerous containers of Grain Fumigant #2 (82.3% Carbon tetrachloride, 16.3% Carbon disulfide, 1.0% Sulphur dioxide, and 0.4% pentane). The shipment was received on December 31, 1985 After not receiving payment for storage, Clark Brothers attempted to contact ICP Chemical and found that they had filed bankruptcy. A further investigation revealed that the material had been banned from shipment January 1,1986.

EPA was contacted by Mr. Chet Clark in April 1988. OSC Rigger and TAT conducted an investigation of the warehouse and determined that there was not an immediate threat. OSC Rigger instructed Clark Brothers to contact Air Pesticides and Toxic Substance Division within the EPA, for assistance. ICP Chemical had a previous history of abandoning materials in a similar manner.

March 1990, EPA was informed that the material was leaking and an investigation was conducted by OSC Kopotic and TAT. The investigation confirmed that the containers were deteriorating and material had been released to the environment.

II. Action Taken

On 30 July 1990, OSC Rigger, 1 TAT, and 6 ERCS personnel mobilized to the site, to bulk and dispose of 612 one gallon cans, 114 five gallons cans, and 62 fifty five gallon drums of Grain Fumigant #2. During the bulking process, approximately 100 one gallon cans and 2 five gallon cans were found empty.

On 31 July 1990, approximately 3300 gallons of Grain Fumigant #2 was shipped to Petro Chem Processing, Incorporated, Detroit, Mi. via tank truck. Due wieght restriction 715 gallons (13 fifty five gallon drums) remained at the site. The following day the empty containers were crushed and loaded in a 20 cubic yard roll off container for transportation to BFI's landfill in Fayetteville, Georgia.

III. Future Plans

To date all of the material, except for 13 fifty five gallon drums

of Grain Fumigant #2 have properly been disposed of. The ERCS contractor is currently arranging transportation for 13 drums. The disposal of the drums is expected with the two weeks.

Total Estimated Cost To Date \$ 47,614.00

Total Estimated Remaining Ceiling 50%